ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION RECORDS

Numbers 859 to 902

53.18
12
53.30

53.21.30
12
53.33.30

90
53
3630
328
39.54

220
18
238

90.
53 33 30
36.26 30
3 28
39.54.30

12 / 450 / 36 / 18

450
72 / 270 / 216 / 540 / 504 / 36 / 72 (37½

450
37
487½

12 / 220 (18
12
100

3 / 36 124
72 248

12 / 344 (28
24
104

344
28
372

337
28
365

46
46
50
53
52
55

12 / 337 (28
24
97

60 / 296 (4.56
240
2 / 562 / 60 | 28 / 30 | 14 / 15 / 60 (4
00

56

Book No. 3

1880

U.S. Fish Hawk.
U.S. Fish Commission

Headquarters:
Newport. R.I.

All bearings magnetic in this book.

J.C. Van Vliet U.S.N.

All bearings in
this book Magnetic

Dr Van Vliet

Chesters Rake Dredge -

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 859

Date, Sept. 8

Locality, Atlantic Ocean -

Bearings, Cittyhunk Light - N½ W 3 miles

Time of day, 11.20 am ; of tide,

State of sky, Clear -

Temperature of air, 68

" surface of water, 66 (46400)

" at depth of 5 fathoms, 65

" of bottom, 63 (40007)

Depth, in fathoms, 17½

Nature of bottom, Sand

Direction of ~~surface current~~, Wind 2 W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Drift W

Force of ~~bottom current~~, Dist. Drift ¼ mile

Name of vessel, Fish Hawk

To what service attached, U. S. F C

Name and rank of commanding officer,

Lieut J L Zamen

Name and position of observer,

Wm H C Van Vleck

REMARKS.

Dredge came up foul - a mere water haul - nothing in the net & only a few frons of Laminaria hanging to the Rope also Nine Nyiopes Phaseolasma. Teredo.

Chester Rake Dredge -

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 860

Date, Sept 3rd

Locality, Atlantic Ocean.

Bearings, Cuttyhunk Light S 1/2 W 3 Miles.

Time of day, 11. 55 am ; of tide,

State of sky, Clear

Temperature of air, 70

" surface of water, 66 (46400)

" at depth of 5 fathoms, 65

" of bottom, 64 (40027)

Depth, in fathoms, 17 1/2

Nature of bottom, Mud.

Direction of ~~surface current~~, Wind S W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Drift W

Force of ~~bottom current~~, do 1/4

Name of vessel, Fish hawk

To what service attached, U. S. Fish Com:

Name and rank of commanding officer,

Lieut H. Lamm

Name and position of observer,

Dr H. C. Van Vliet -

860

REMARKS.

Rich in annelids + amphi-
-pods, Mollusks.

Transit

TEMPERATURE RECORD.

Instrument used, N 3

Current number of observation, 861.

Date, Sept 2d

Locality, Atlantic Ocean.

Bearings, Cuttyhunk Light N 3/4 W 3 3/4 Miles

Time of day, 12, 20 ; of tide,

State of sky, Clear

Temperature of air, 69

" surface of water, 66 (46400)

" at depth of 5 fathoms, 65 (10f - 65)

" of bottom, 61. (40007)

Depth, in fathoms, 17.

Nature of bottom, Sand.

Direction of ~~surface current~~, Wind S W

Force of ~~surface current~~, Wind 2

Direction of ~~bottom current~~, Drift S

Dist ~~Force~~ of ~~bottom current~~, do 1/4 Mile

Name of vessel, Fish Hawk

To what service attached, U.S.F.C.

Name and rank of commanding officer,

Lt. J. L. Lamers.

Name and position of observer,

Dr F. C. van Vliet

REMARKS.

Subeikis compacta
Zoligs Realii
Homarus Americanus
Asterias vulgaris
Empagurus Bernhardus
Platyonichus ocellatus.
Cancer Borealis
do pinnotheres
Rissoa Reticulatus.

Sand

TEMPERATURE RECORD.

Instrument used, 27

Current number of observation, 882

Date, Sept 3rd

Locality, Atlantic Ocean

Bearings, Cuttyhunk Light North 4 miles

Time of day, 12.55 ; of tide,

State of sky, Clear

Temperature of air, 68

" surface of water, 66 (46400)

" at depth of 5 fathoms, 65

" of bottom, 64 (40000)

Depth, in fathoms, 17

Nature of bottom, Sand

Direction of ~~surface current~~, Wind NW

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Light 1

Force of ~~bottom current~~, do 1/4 miles

Name of vessel, Fish Hawk

To what service attached, Ut F C

Name and rank of commanding officer,

Lt J. L. Lawrence

Name and position of observer,

Wm F C Van Fleet

862

REMARKS.

Platyomichus gellatus
Empsogaryus Bembradus
Cancer borealis
Hymanus americanus
Talipus Realii
Cibellas sanguinolenta
Astrias Integris
Subinites compacta

Oysterbed Dredge.

TEMPERATURE RECORD.

Instrument used, 7L 3

Current number of observation, 663

Date, Sept 3rd

Locality, ~~Atlantic Ocean~~ Vineyard Sound

Bearings, Cuttyhunk Light N 1/8 E - 3 3/4 Miles

Time of day, 1.40 ; of tide, flood

State of sky, clear

Temperature of air, 70

" surface of water, 67 (42 600)

" at depth of 10 fathoms, ~~67~~ 65 (5 fath. 65)

" of bottom, 65 (4000 7)

Depth, in fathoms, 18

Nature of bottom, Mud

Direction of ~~surface current~~, Mood S SW

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, drift S

Force of ~~bottom current~~, do 1/4 mile

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

H J L Zeamer

Name and position of observer,

Wm F C van Vleck

863

REMARKS.

Same as 860
Valdia limatula very
large.

Dredge -

TEMPERATURE RECORD.

Instrument used, # 3

Current number of observation, 264

Date, Sept - 3rd

Locality, Vineyard Sound

Bearings, Gay Head Light - R & N 1/8 N 5 4/10 miles

Time of day, 3 p m of tide, flood

State of sky, Clear

Temperature of air, 70

" surface of water, 67 (+6300)

" at depth of 5 fathoms, 66

" of bottom, 65 (+0001)

Depth, in fathoms, 13

Nature of bottom, Sand -

Direction of ~~surface current~~, Wind S W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Dr Lt L

Force of ~~bottom current~~, do 1/4 M

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

Lt J L Lemon

Name and position of observer,

Dr F C Van Vleck

864

REMARKS.

Trawl

TEMPERATURE RECORD.

Instrument used, N 3

Current number of observation, 665

Date, Sept. 4

Locality, Atlantic

Bearings, Lat. 40. 40.5 N.
Long: 70. 23 West

Time of day, 5 40 am ; of tide.

State of sky, Clear

Temperature of air, 71

" surface of water, 73 (46401)

" at depth of 5 fathoms, 75

" of bottom, Took thermometer 6645-46401 (46401)

Depth, in fathoms, 65

Nature of bottom, Rock Sand

Direction of ~~surface current~~, Mixed

Force of ~~surface current~~, do 1

Direction of bottom ~~current~~, Drift E N E

Force of bottom ~~current~~, do 3/4 Mile

Name of vessel, Rich Hook

To what service attached, W H C

Name and rank of commanding officer,

L. G. L. Lawrence

Name and position of observer,

Mr H C van Flick

REMARKS.

46 [illegible] 2 Ther. lost by parting
flat wire rope

to heavy crop swell
the ship rolling violently
at times.

The Aneroid & mercurial
thermometers are not
reliable for latter
most intermediate time,
barometers frequently being
overpowered by rolling of
the ship.

Inverse

TEMPERATURE RECORD.

Instrument used. N 7

Current number of observation. 866

Date. Sept 4

Locality. Albacore

Bearings Lat. 40.05.18 Long. 74.22.18 Ecs

Time of day. 6.30 am; of tide.

State of sky. clear.

Temperature of air. 73.

" surface of water. 73. (46400)

" at depth of 5 fathoms. 74.5

" of bottom. 68.5 (?) (46401)

Depth, in fathoms. 65

Nature of bottom. sand & mud -

Direction of ~~surface current~~. Wind var

Force of ~~surface current~~. do 1-0

Direction of ~~bottom current~~. Drift N E x E

~~Force~~ Drift of bottom current. do 1/2 mile

Name of vessel. Fish Hawk

To what service attached. U S F C

Name and rank of commanding officer.

Lt J L Lamm

Name and position of observer.

Lt H C von Zbick

REMARKS.

Nehalem Anchorage

TEMPERATURE RECORD.

Instrument used.

Current number of observation. 867.

Date. Sept 4.

Locality, Altamaha

Bearings, [illegible]

Time of day, 7.04 ; of tide.

State of sky, Clear.

Temperature of air, 75°

" surface of water, 73°. 46 40 N / 46 40 S

" at depth of 5 fathoms, 75°. 46 40 N / 46 40 S

" of bottom, 53°.

Depth, in fathoms. 64.

Nature of bottom, Sand & shell

Direction ~~of surface current~~. Wind Calm.

Force of ~~surface current~~. 0

~~Direction of bottom current~~. Drift N & S

~~Force of bottom current~~. Slow. 3/4

Name of vessel.

To what service attached.

Name and rank of commanding officer.

Name and position of observer.

J. K. T.

REMARKS.

TEMPERATURE RECORD.

Instrument used. Frank

Current number of observation. 868

Date. Sept 4.

Locality. Atlantic

Bearings. Lat 42.01.42 N. Long - 70.22.30 W

Time of day. 8 A.M. 3 hrs. of tide.

State of sky. Clear

Temperature of air. 75°

" surface of water. 75° 46 W

" at depth of 5° fathoms. 75° 46 W

" of bottom. 47°. "

Depth, in fathoms. 162.

Nature of bottom. fine sand & black specks.

Direction ~~of surface current~~. weak

Force ~~of surface current~~. "

Direction ~~of bottom current~~. slight N. W.

Force ~~of bottom current~~. slight 3/4 mile

Name of vessel.

To what service attached.

Name and rank of commanding officer.

Name and position of observer.

818 REMARKS.

Trawl dragging on a deeper mud that not reach the bottom

TEMPERATURE RECORD.

Instrument used, Thermometer

Current number of observation, 665.

Date, Sept 4

Locality, Atlantic

Bearings, Lat 40.02.14 N long 70.23.06 W

Time of day, 9.2 7am ; of tide,

State of sky, Clear

Temperature of air, 80°

" surface of water, 76° 4600

" at depth of 5 fathoms, 75° 4600

" of bottom, 56° (B)

Depth, in fathoms, 192

Nature of bottom, fine sand

Direction ~~of surface current~~, drift

~~Force of surface current~~ drift 4/4

Direction ~~of bottom current~~, wind Calm

Force ~~of bottom current~~,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Fremont

Current number of observation, 870.

Date, Sept 4.

Locality, Albanie

Bearings Lat 40.00.26 long 06.22.5 W.

Time of day, 10.5 Vani of tide.

State of sky, Clear

Temperature of air, 80

" surface of water, 77°

" at depth of 5 fathoms, 75°

" of bottom, no obs.

Depth, in fathoms, 155.

Nature of bottom, Mud & fine sand

Direction ~~of surface current~~, West

Force of ~~surface current~~, "

Direction ~~of bottom current~~ Sept. W x N

~~Force of bottom current~~ Light 1 knot

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

G. L. T.

REMARKS.

TEMPERATURE RECORD.

Instrument used, Frazol -

Current number of observation, 871

Date, Sept 4

Locality, Atlantic

Bearings, Lat 40.02.54 Long 70 23.40 W
{Lat Mount Ida 40.04.57.2}

Time of day, 11.40 am of tide,

State of sky, Clear

Temperature of air, 84

" surface of water, 76.5

" at depth of 5 fathoms, 75 10 75

" of bottom, 45

Depth, in fathoms, 115

Nature of bottom, Mud & fine sand

Direction of ~~surface current~~, wind Calm

Force of ~~surface current~~, 0

Direction of ~~bottom current~~, drift N. N. W.

Force of bottom current, Dist. 3/4 mile

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

J. P. S.

REMARKS.

TEMPERATURE RECORD.

Instrument used. Trawl

Current number of observation. 872

Date. Sep 4th

Locality. Atlantic

Bearings Lat 40.05 N. 35 L. Long 70 23.6 W

Time of day. 12.45 ; of tide.

State of sky. Partially clear

Temperature of air. 81

" surface of water. 77.

" at depth of 5 fathoms. 75

" of bottom. 50.5

Depth, in fathoms. 86

Nature of bottom. Gravel & shells, sponges

Direction of ~~surface current~~. Wind South

Force of ~~surface current~~. 1

Direction of ~~bottom current~~. Drift N E x N

Force of ~~bottom current~~. Sick 1/2 mile.

Name of vessel. Fish Hawk

To what service attached. U. S. F. C.

Name and rank of commanding officer. Lieut Z. L. Tanner

Name and position of observer.

J. A. Smith

REMARKS.

Trawl

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 873

Date, Sept 13

Locality, Atlantic.

Bearings, Lat – 40.02 N

Long – 70.57 W

Time of day, 5.36 am ; of tide,

State of sky, Clear

Temperature of air, 68

" surface of water, 69.5° 4644 N

" at depth of 5 fathoms, 70.10/70

" of bottom, 5°/ 4644 N

Depth, in fathoms, 100

Nature of bottom, mud.

Direction of ~~surface current~~, Mud 2 m

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, Light NNW x W

Force of ~~bottom current~~, do 1/2 m.

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

Y.

REMARKS.

11. Anchinoë Asciforus. (Lindr ms.)
5. Mesbrenius bilinearis (yg.)
1. Roia ygg.

Transit

TEMPERATURE RECORD.

Instrument used, 7 7

Current number of observation, 874

Date. Sept 13

Locality, Port Antonio

Bearings, Lat. 40 N

Long 70 57 W

Time of day, 6.26 am ; of tide.

State of sky, Clear

Temperature of air, 70

" surface of water, 70 40-55

" at depth of 5 fathoms, 70.5. 10-70. 20-64.

" of bottom, 51 48 40

Depth, in fathoms, 85

Nature of bottom, Mud.

Direction of surface current, Rud S W

Force of surface current, do 2

Direction of bottom current, Diff N W

Force of bottom current, do 1/2 Mile

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

1. Anarthias lupus (yg.)
1. Pseudorhombus oblongus
Anchmodes antipous (Cook ms)
4. Roia sp. (β)
4. " sp. γ.

Transcl

TEMPERATURE RECORD.

Instrument used, M 7

Current number of observation, 876

Date, 11 Sept 13

Locality, Albatross

Bearings, Lat:- 39.67 N

Long:- 71. 57. 30 W.

Time of day, 7.51 am : of tide.

State of sky, Clear

Temperature of air, 70

" surface of water, 70

" at depth of 5 fathoms, 71, (10. 70)(20. 69)30, 54°)

" of bottom, 53

Depth, in fathoms, 126

Nature of bottom, Mud.

Direction of surface current, Wind S W

Force of surface current, do 2

Direction of bottom current, Weight N E

Force of bottom current, do ½ mile

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

1. Anchinodes arctifrons
1. New genus flounder.
1. Merluccius bilinearis (yg.)
1. Sebastes marinus (yg.)

Transcribed

TEMPERATURE RECORD.

Instrument used, 73

Current number of observation, 576

Date, Sept 13

Locality, Atlantic

Bearings, Lat 39.57 S N

Long - 70.56 W

Time of day, 8.45 am ; of tide.

State of sky, Clear

Temperature of air, 68

" surface of water, 70

" at depth of 5 fathoms, 71. 10-70. 20-69. 30-54

" of bottom, 53

Depth, in fathoms, 120

Nature of bottom, Mud.

Direction of ~~surface current~~, Variable S W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Variable N

Force of ~~bottom current~~, do 3/4 W.

Name of vessel, [illegible]

To what service attached, [illegible]

Name and rank of commanding officer,

[illegible]

Name and position of observer,

[illegible]

REMARKS.

1. Lophius piscatorius
1. Monodene sessilicauda (Goode ms.)
1. Glyptocephalus cynoglossus. (yg.)
Antennodes arctiporus
2. Ceuspenus floridæ
Merluccius bilinearis (yg.)
2. Sebastes marinus (yg.)
1. Sebastes sp. nov. (yg.)
2. Salmonoid. sp. nov. (yg.)
1. Prionotus miniatus (Goode mss.)

Trawl

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 877

Date, Sept 13

Locality, Atlantic

Bearing, Lat 37. 56

Long 70. 54. 18 W

Time of day, 9.40 am ; of tide.

State of sky, Clear

Temperature of air, 71

" surface of water, 71 (uncorr)

" at depth of 5 fathoms 58. 10 - 70. 20 - 66°

" of bottom, 57° (uncorr)

Depth, in fathoms, 126

Nature of bottom, mud

Direction of ~~surface current~~, mod ½ W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, slight N N W

Force of ~~bottom current~~, do 3/4 M

Name of vessel, [illegible]

To what service attached, [illegible]

Name and rank of commanding officer, [illegible]

Name and position of observer, [illegible]

REMARKS.

2. Anus cambrius
3. Mourlene ~~[illegible]~~ silicauda (Lord ms)
Merluccius silvanis (yg.)
Anchinodes arctiporus (Lord ms.)
1. Prietheus miniatum (yg.)
Salmonoid sp. nov.
near Ag. inotti Valve both from
Sarah Arr. Lophalatilus chaeum.

Yacht

TEMPERATURE RECORD.

Instrument used.

Current number of observation. 374

Date. 13

Locality.

Bearings Lat - 39. 55 N

Long - 70. 54. 15 W

Time of day 11. am - : of tide.

State of sky. Cloudy -

Temperature of air, 72

" surface of water, 71

" at depth of 5 fathoms, 70 C- 10- 70 70 20- 15 15

" of bottom, 52°

Depth, in fathoms, 142½ (Correction +10)

Nature of bottom. Mud -

Direction of ~~surface current~~. Ennel 2 hr

Force of ~~surface current~~. dg 2

Direction of ~~bottom current~~ Neath N W

Force of ~~bottom current~~. 3/4

Name of vessel, Yt

To what service attached. U.S.C.

Name and rank of commanding officer.

Name and position of observer.

REMARKS.

1. Lophius piscatorius
Merluccius bilinearis yg rad.
ripe spawn.
1. Physis tenuis (?)
4. Phycis chesteri yg rad.
3. Microgadus tomcod
6. Alectrias arctiporus (Cope ms)
1. Phyllocephalus cynoglossus. (yg.)
2. Etrastes maximus (yg.)
6. Salmonoid sp. nov.
2. Ammodytes cicinnus.

Inserted

TEMPERATURE RECORD.

Instrument used, No 7

Current number of observation, 579

Date, Sept 13

Locality, [illegible]

Bearings, Lat - 39.42.30 N

Long - 70.54 W

Time of day, 1.20 P.M. : of tide,

State of sky, Cloudy

Temperature of air, 72

" surface of water, 71.5

" at depth of 5 fathoms, 71 } 10 - 71 } 20 - 70 }
C 68

" of bottom, 42
0 = 42

Depth, in fathoms, ~~X~~ 325

Nature of bottom, Sand & Fine Sand

Direction of ~~surface current~~, [illegible] 2 m

Force of ~~surface current~~, do. 0.3

Direction of ~~bottom current~~, [illegible] N & W

Force of ~~bottom current~~, do 3/4 m

Name of vessel, [illegible]

To what service attached, [illegible]

Name and rank of commanding officer,

[illegible]

Name and position of observer,

[illegible]

REMARKS.

Clupeis Cheetii yg. & ad.
1. Macrurus carinulatus (Goode mss.)
M " Bairdii (?) ad & yg.
Lycodes Vrillii.
Bathytroupharus cyrostoeus.
1. Halientichthys aculeatus
Merluccius bilinearis
Raia sp. g.

Mud

TEMPERATURE RECORD.

Instrument used, N.Y.

Current number of observation, 880

Date, Sept 13

Locality, Delaware

Bearings, Lat - 39. 48. 30 N

Long - 74. 54 W

Time of day, 3.12 p m ; of tide,

State of sky, Cloudy -

Temperature of air, 74

" surface of water, 71.0

" at depth of 5 fathoms, 74. C. 64 } 10 - 72 71 }

" of bottom, 43 C = 41.5 }

Depth, in fathoms, 25 2 1/2 .

Nature of bottom, Mud.

Direction of ~~surface current~~, Ground S W

Force of ~~surface current~~, do. 3

Direction of ~~bottom current~~, Night W x N

Force of ~~bottom current~~, do 3/4 W

Name of vessel, Hydrographic

To what service attached, U S N

Name and rank of commanding officer,

Lieut F Lamman

Name and position of observer,

REMARKS.

Gliptocephalus cynoglossus ad vyg.
Physis Chuteri (spawn)
Macrurus Bairdii (?)
Lycodes Vomilli
2. Liparis vasula (cfg.)
4. Scynaphobranchus pinnatus
Salmonoid.
Hemichthys scalpatus
Cottoid sp. nov.
Raia sp. (B).
Raia sgg.

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 581

Date, Sept 13

Locality, Delaware

Bearings, Lat 39-46-30 N
Long 70-54-50 W

Time of day, 5 p m ; of tide,

State of sky, Cloudy

Temperature of air, 70

" surface of water, 71

" at depth of 5 fathoms, 71 } 10 - 71.5
C = 66

" of bottom, 42 } 71
C = 41

Depth, in fathoms, 30.5 no bottom

Nature of bottom, no bottom

Direction of surface current, mod 2 m

Force of surface current, do 3

Direction of bottom current, drift W N W

Force of bottom current, do 1/2 m

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,
H J Larimer.

Name and position of observer,

REMARKS.

2. Phycis Chuteri.
1. Macrurus Baindii (?)
6. Scopelus sp. nov.
4 Glyptocephalus cynoglossus. yg.
5. Liparis Liparis pinnatus
Raia egg.

Travel

TEMPERATURE RECORD.

Instrument used, N3

Current number of observation, 682

Date, Sept 17/80

Locality, Murray Narrows Bay —

Bearings, Half way Rock. N N E 1/2 E.

2 3/8 miles

Time of day, 10.56 of tide,

State of sky, Clear

Temperature of air, 68

" surface of water, 65 (4642)

" at depth of * fathoms,

" of bottom, 67 (4642)

Depth, in fathoms, 12 1/2

Nature of bottom, Mud

Direction of ~~surface current~~, Mud S W

Force of ~~surface current~~, do, 2

Direction of ~~bottom current~~ Drift S W

Force of ~~bottom current~~, do 1/4 mile

Name of vessel, Irish Hawk

To what service attached, Work

Name and rank of commanding officer, Lt Z. L. Tower

Name and position of observer,

✓

REMARKS.

1. Syngnathus fuscus.
Tophopetta maculata
Palinostronbus oblongus (young.)
Pseudopleuronectes americanus
Limanda ferruginea.
Tetrodon turgidus
Stenotomus argyrops
Prionotus carolinus
Porcupinus triacanthus
Cynoscion regalis
Raia erinacea
" laevis
" eglanteria
Phycis tenuis (yg.)

Travel

TEMPERATURE RECORD.

Instrument used, N 3

Current number of observation, 583

Date. Sept 17

Locality, Narragansett Bay

Bearings, Half way Rock - NE by N.

2 1/4 Miles

Time of day, 11.35 ; of tide,

State of sky, Clear

Temperature of air, 70

" surface of water, 65

" at depth of fathoms,

" of bottom, 63 1/2

Depth, in fathoms, 13

Nature of bottom, Mud

Direction of ~~surface current~~ wind N W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Night S W

Force of ~~bottom current~~, do 1/2 M

Name of vessel, Hist Hawk

To what service attached, WPYC

Name and rank of commanding officer,

LT Z L Lamm

Name and position of observer,

V

REMARKS.

Pandorina americanus
Coelosphaerium maculata
Limnola ferruginea
Pseudorhombus oblongus (yg rad)
Physis tinnis (yg)
Prionotus triacanthus (yg rad.)
Menidia menidia "
Apogon regalis.
Prionotus carolinus (yg rad)
Raia laevis.
" erinacea.

Sector Rake Dredge

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 884

Date, Sept 17

Locality, Narragansett Bay

Bearings, Hope Island NE 1/2 E

200 yds

Time of day, 2.18 ; ~~depth~~

State of sky, Clear

Temperature of air, 72

" surface of water, 65

" ~~at depth of~~ ~~fathoms~~

" of bottom, 63.5

Depth, in fathoms, 5

Nature of bottom, Mud.

Direction of ~~surface current~~, wind S W

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~ Flight S W

Force of ~~bottom current~~, do 1/4 3

Name of vessel, Fish Hawk

To what service attached, USFC

Name and rank of commanding officer,

LT L Lamson

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, N 3 Hoxland

Current number of observation, 885

Date, Sept 17

Locality, Narragansett Bay

Bearings, Conle Island N by E 1/4 E 3/8 of mile

Time of day, 3.15 ~~of time~~

State of sky, Clear

Temperature of air, 71

" surface of water, 69

" ~~at depth of~~ 5 ~~fathoms~~, 64

" of bottom, 65

Depth, in fathoms, 16

Nature of bottom, mud & stone

Direction of ~~surface current~~, Mud S W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Drift S

Force of ~~bottom current~~, do 1/4 m

Name of vessel, Fish Hawk

To what service attached, N A F C

Name and rank of commanding officer,

H M L Lamson

Name and position of observer,

F S Chesley
Assistant in Charge

REMARKS.

Pseudopleuronectes americanus
Lophopetta maculata
Porosotus triacanthus
Porosotus carolinus
~~Stu~~ Stenotomus aculeatus.
Roia laevis
minacea
Eggs young.

Abridge

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 886

Date, Sept 21

Locality, Atlantic

Bearings, ~~Fort Sight Black Rock~~: N 3/4 W

5 3/4 miles.

Time of day, 12.49 ; of tide,

State of sky, Clear

Temperature of air, 67

" surface of water, 64

" at depth of 5 fathoms, 62

" of bottom, 62

Depth, in fathoms, 19

Nature of bottom, Shells

Direction of ~~surface current~~, mainly West

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Depth ~~N~~ N

Force of ~~bottom current~~, do ~~3/4~~ mi 1/4

Name of vessel, Fish Hawk

To what service attached, U.S.F.C.

Name and rank of commanding officer,

Lt. J. L. Zumwalt

Name and position of observer,

REMARKS.

Transit

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 687

Date, Sept 21

Locality, Atlantic

Bearing, Off Fish Hawk Island N ½ W

5 3/4 miles (?)

Time of day, 1.30 : of tide,

State of sky, Clear

Temperature of air, 67

" surface of water, 64

" at depth of 5 fathoms, 62

" of bottom, 62

Depth, in fathoms, 19

Nature of bottom, stones

Direction of ~~surface current~~, wind W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Drift W ~~Tide~~

Force of ~~bottom current~~, do 3/4 M

Name of vessel, Fish Hawk

To what service attached, U. S. F. C.

Name and rank of commanding officer,

Lt. J. L. Lawson

Name and position of observer,

REMARKS.

Transit

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 888.

Date, Sept 21

Locality, Atlantic.

Bearings, Sail Lgt Block Isl: N x E

6 miles

Time of day, 2 p m ; ~~a mile.~~

State of sky, Clear

Temperature of air, 68

" surface of water, 69

" at depth of 5 fathoms, 62

" of bottom, 62

Depth, in fathoms, 19

Nature of bottom, Shells.

Direction of ~~surface current~~, mind W

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, Drift W

Force of ~~bottom current~~, do 1½ W

Name of vessel, Fish Hawk

To what service attached, U. S. F. C.

Name and rank of commanding officer,

Lt. J. L. Zamer

Name and position of observer,

REMARKS.

Dredge

TEMPERATURE RECORD.

Instrument used, M

Current number of observation, 689

Date, Sept 21

Locality, Atlantic

Bearings, Sand Spit Block Island N ½ E 5 Miles

Time of day, 3.50 pm ; of tide,

State of sky, Clear

Temperature of air, 68

" surface of water, 64

" at depth of 5 fathoms, 62

" of bottom, 61.5

Depth, in fathoms, 11

Nature of bottom, Rocky

Direction of ~~surface current~~, wind W

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, Drift W & W

Force of ~~bottom current~~, dish do ½ M

Name of vessel, Fish Hawk

To what service attached, U. S. F. C.

Name and rank of commanding officer,

Lt. J. L. Zamora

Name and position of observer,

REMARKS.

Dredge

TEMPERATURE RECORD.

Instrument used, N 3

Current number of observation, 590

Date, Sept 21

Locality, Allen Cove

Bearings, South Light Block Island N 1/4 S 4 3/4 miles

Time of day, 4.15 pm ; of tide.

State of sky, Clear

Temperature of air, 68

" surface of water, 64

" at depth of 5 fathoms, 62

" of bottom, 61.5

Depth, in fathoms, 11

Nature of bottom, Rocky

Direction of ~~surface current~~, Mud. N

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, Drift N S N

Force of ~~bottom current~~, do 1/2 M

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

Lt J L Lamm

Name and position of observer.

REMARKS.

Mud

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 691

Date, Oct 2d

Locality, Atlantic

Bearings, Lat 39.46 N Long 71.10 W

Time of day, 6 am ; of tide,

State of sky, Clear

Temperature of air, 60

" surface of water, 67

" at depth of fathoms,

" of bottom,

Depth, in fathoms, 210+ Sounding line broke (4640 3/4)

Nature of bottom, Mud

Direction of ~~surface current~~, Winds N E ~~E~~

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, Drift N

Force of ~~bottom current~~, do 1/2

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

Lt J L Zamora

Name and position of observer,

Dr Van Vliet

891

REMARKS.

The remaining for No. 892 were 450 feet and this is probably the depth of this one also.

Long - by discussion
Lat from by obs

Transit

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 592

Date, Oct 2

Locality, Atlantic

Bearings, Lat 39 46 N

Long 71 05 W

Time of day, 8 46 ; of tide.

State of sky, Clear

Temperature of air, 64

" surface of water, 65

" at depth of fathoms.

" of bottom, [illegible]

+ Depth, in fathoms, ~~[illegible]~~ 487

Nature of bottom, mud sand & stones

Direction of ~~surface current~~, wind NE

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, drift NNE

~~Force~~ Velocity of bottom current, do 2 miles

Name of vessel, Fish Hawk

To what service attached, U. S. F. C.

Name and rank of commanding officer,

Lt J. L. Lamman

Name and position of observer,

Hart

REMARKS.

Form L

TEMPERATURE RECORD.

Instrument used. M

Current number of observation. 893

Date. Oct 2

Locality. Gloucester

Bearings. lat - 39.52.20 N

long - 70.58 W

Time of day. 11.23 ; of tide.

State of sky. Clear

Temperature of air. 63

" surface of water. 64

" at depth of fathoms.

" of bottom. 40 N.C.

Depth, in fathoms. ~~34~~ 372

Nature of bottom. Mud Pebbles Stones

Direction of ~~surface current~~. Wind NE

Force of ~~surface current~~. do 3

Direction of ~~bottom current~~. Depth N

Force of ~~bottom current~~. do 1 Mile

Name of vessel. Fish Hawk

To what service attached. U. S. F. C.

Name and rank of commanding officer.

Lt J L Zamora

Name and position of observer.

Hy V Lise pr 1/2 fathom

11.11.50.53.52.55

REMARKS.

Time of the work of land
in surveying crew
1/2 following - 8 minutes -
46.42 37.53 32.53
Time hauling in - 8. 15.

Trawl

TEMPERATURE RECORD.

Instrument used, N7

Current number of observation, 894

Date, ~~[illegible]~~ Oct 2

Locality, Albemarle

Bearings, Lat - 39.53 N

Long - 70.15.30 W

Time of day, 1.10 P.M. ; of tide.

State of sky, Clear

Temperature of air, 63

" surface of water, 64

" at depth of fathoms.

" of bottom, 40 N C

Depth, in fathoms, 365

Nature of bottom, ~~[illegible]~~ Sand

Direction of ~~surface current~~, wind N

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, drift N

Force of ~~bottom current~~ wind, do 2

Name of vessel, Fish Hawk

To what service attached, U. S. F. C.

Name and rank of commanding officer,

H. G. L. Lemmon

Name and position of observer,

Hr. N. N.

REMARKS.

Long. by observation.

TEMPERATURE RECORD.

Instrument used, N Y

Current number of observation, 395

Date. Oct. 2d

Locality, Off Santa Cruz

Bearings. Lat 34 56.30 N

Long 76 57.45 W

Time of day, 3.17 : of tide.

State of sky, Clear

Temperature of air, 62

" surface of water, 65

" at depth of fathoms,

" of bottom, 42 M C

Depth, in fathoms, 238

Nature of bottom, ~~sand~~ Mud

Direction of ~~surface current~~, Wind N W

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~. Drift N

Force of ~~bottom current~~, do 1 1/2

Name of vessel, Fish Hawk

To what service attached. U. S. F. C.

Name and rank of commanding officer,

Lt. J. L. Zamora

Name and position of observer,

Ens W

REMARKS.

[illegible]

Trawl

TEMPERATURE RECORD.

Instrument used, N 3

Current number of observation, 846

Date, Nov 16/80

Locality, Atlantic

Bearings, Lat 37 26 N.
Long 74 15.00 W.

Time of day, 9 20 am, of tide.

State of sky, P.C.

Temperature of air, 52

" surface of water, 62 (46605)

" at depth of fathoms,

" of bottom, 55 (46603)

Depth, in fathoms, 56

Nature of bottom, Sand & Shells

Direction of ~~surface current~~, mod NW

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Drift W N W

Force of ~~bottom current~~, do 1/2 M

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

Lt J L Lemmon

Name and position of observer,

Dr Van Vliet

REMARKS.

Subsidiary subject to correction

Transl

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 897

Date, Nov 16/00

Locality, Atlantic

Bearings, Lat. 37.25 N

Long – 74.18 W

Time of day, 10.18 Am : of tide.

State of sky, bc

Temperature of air, 62

" surface of water, 62 (46605)

" at depth of fathoms.

" of bottom, 48 (46403)

Depth, in fathoms, 157 1/2

Nature of bottom, Mud & Sand

Direction of ~~surface current~~, Winds A N

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Drift N

Force of ~~bottom current~~, do 1 M

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

Lt J L Lemmon

Name and position of observer,

H Van Kirk

REMARKS.

Travel

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 598

Date, Nov 18/20

Locality, Atlantic

Bearings, Lat - 37.24 N.
Long - 74.17 W

Time of day, 11.25 am; of tide,

State of sky, Lt C

Temperature of air, 60

" surface of water, 62 (46400)

" at depth of fathoms.

" of bottom, ~~[illegible]~~ 44 (46400)

Depth, in fathoms, ~~[illegible]~~ 300

Nature of bottom, — ~~[illegible]~~ Tn

Direction of ~~surface current~~, Mid L W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Bright W

Force of ~~bottom current~~, do 1 M

Name of vessel, Fish Hawk

To what service attached, W S F C

Name and rank of commanding officer,

Lt J L Lemmon

Name and position of observer,

Dr Van Vliet

REMARKS.

Trawl

TEMPERATURE RECORD.

Instrument used. N/

Current number of observation. 899

Date. Nov 16 / 50

Locality, Alaska

Bearings, Lat 37-22 N

Long 74-25 W

Time of day. 1:30 pm ; of tide.

State of sky, Clear

Temperature of air, 58

" surface of water, 61

" at depth of fathoms.

" of bottom, 54

Depth, in fathoms, 57 1/2

Nature of bottom, Sand

Direction of ~~surface current~~ Moved 1 N

Force of ~~surface current~~. do 2

Direction of ~~bottom current~~. Drift 1 N

Force of ~~bottom current~~. do 1/2 N

Name of vessel, Fish Hawk

To what service attached, W S H

Name and rank of commanding officer,

Lt J L Lawson

Name and position of observer,

Mr Van Vliet

REMARKS.

Travel

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 900

Date, Nov 16,

Locality, Albemarle

Bearings, Lat 37.15 N.

Long 74.41 W

Time of day, 4 P M : of tide.

State of sky, Clear

Temperature of air, 55

" surface of water, 59

" at depth of fathoms,

" of bottom, 56

Depth, in fathoms, 31

Nature of bottom, Sand

Direction of ~~surface current~~, Wind S W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Drift W

Force of ~~bottom current~~, do 1/2

Name of vessel, Fish Hawk

To what service attached, U. S. F. C.

Name and rank of commanding officer,

Lt J L Lamman

Name and position of observer,

H Van Vliet

REMARKS.

TEMPERATURE RECORD.

Instrument used, N Z

Current number of observation, 901

Date, Nov 16/80

Locality, Atlantic

Bearings, Lat 37.10 N.
Long 75.08 W

Time of day, 7.15 pm ; of tide,

State of sky, Bright moonlight

Temperature of air, 53

" surface of water, 60

" at depth of fathoms,

" of bottom,

Depth, in fathoms, 18

Nature of bottom, sand

Direction of ~~surface current~~, Mind NW

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Drift

Force of ~~bottom current~~, do

Name of vessel, Fish Hawk

To what service attached, US F C

Name and rank of commanding officer,

Lt Z L. Larner

Name and position of observer,

Dr Van Vleit

REMARKS.

Oyster Bridge

TEMPERATURE RECORD.

Instrument used, Mz

Current number of observation, 902

Date, Aug 9 1880

Locality, Potomac River

Bearings, Pt. Lookout S.E. x E 3¼ m

Time of day, 9.55 am; of tide,

State of sky, Clear

Temperature of air, 80

" surface of water, ~~65~~ 60 46645

" at depth of fathoms,

" of bottom, do 46402

Depth, in fathoms, 3

Nature of bottom, Oyster bank.

Direction of ~~surface current~~, mouth NW

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, Drift NW

Force of ~~bottom current~~, do 5 minutes

Name of vessel, Fish Hawk

To what service attached, US F.C.

Name and rank of commanding officer,

Lt J L Zamora.

Name and position of observer,

Hr VV

REMARKS.